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PATENT

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1 – 28. (Canceled)

29. (Currently Amended) A method for controlling access to sites of a transportation network, comprising the steps of:

- a. verifying pre-determined characteristics of a transporting entity at a first remote site, a positive verification providing the transporting entity access to the first remote site;
- b. recording pre-determined first remote site transaction data; and
- c. verifying pre-determined characteristics of the transporting entity at a second remote site, and evaluating a status of the ~~certain pre-determined~~ first remote site transaction data at the a-second remote site; wherein if a differential between the first remote site transaction data and the status of the first remote site transaction data at the second remote site is within a preset range, or if no differential exists, and the pre-determined characteristics of the transporting entity are verified positive, ~~a positive verification providing~~ the transporting entity access to the second remote site.

30. (Currently Amended) A method for managing and monitoring a transportation network, comprising the steps of:

- a. verifying pre-determined characteristics of a transporting entity at a first remote site, a positive verification providing the transporting entity access to the first

remote site;

- b. recording pre-determined first remote site transaction data;
- c. verifying pre-determined characteristics of the transporting entity at a

second remote site, a positive verification providing the transporting entity access to the second remote site;

- d. recording pre-determined second remote site transaction data; and
- e. evaluating the first remote site transaction data with the second

remote site transaction data creating statistics used to manage and monitor the transportation network;

wherein the pre-determined characteristics of the transporting entity at the first remote site, the pre-determined characteristics of the transporting entity at the second remote site, the first remote site transaction data and the second remote site transaction data are transmitted to a central controller at a central managing location, whereby the managing and monitoring of the transportation network occurs by using the central controller at the central managing location.

31. (Currently Amended) A method for managing and monitoring a transportation network, comprising the steps of:

- a. verifying pre-determined characteristics of a transporting entity at a first remote site, a positive verification providing the transporting entity access to the first remote site;

b. recording pre-determined first remote site transaction data;
c. verifying pre-determined characteristics of the transporting entity at a
second remote site, a positive verification providing the transporting entity access to the
second remote site;
d. recording pre-determined second remote site transaction data; and
e. evaluating the first remote site transaction data with the second
remote site transaction data creating statistics used to manage and monitor the transportation
network; The method of claim 30, wherein the transportation network is a waste hauling
network.

32. (Original) The method of claim 31, wherein the first remote site is a transfer station and the second remote site is a landfill.

33. (Original) The method of claim 32, wherein multiple transfer stations and multiple landfills exist in the waste hauling network.

34. (Canceled)

35. (Currently Amended) A method for managing and monitoring a
transportation network, comprising the steps of:

a. verifying pre-determined characteristics of a transporting entity at a

first remote site, a positive verification providing the transporting entity access to the first remote site;

b. recording pre-determined first remote site transaction data;

c. verifying pre-determined characteristics of the transporting entity at a

second remote site, a positive verification providing the transporting entity access to the second remote site;

d. recording pre-determined second remote site transaction data; and

e. evaluating the first remote site transaction data with the second remote

site transaction data creating statistics used to manage and monitor the transportation

network; ~~The method of claim 30,~~ wherein certain pre-determined characteristics of the transporting entity are verified through communication between an identification device carried by the transporting entity, the identification device possessing the certain pre-determined characteristics of the transporting entity and a site controller located at the respective first or second remote site.

36. (Original) The method of claim 35, wherein the site controller evaluates the certain predetermined characteristics of the transporting entity and determines whether the transporting entity can access the respective first or second remote site.

37. (Original) The method of claim 36, wherein a central controller maintains a database of current and pertinent transporting entity characteristics and maintains criteria for

use by the site controller to evaluate the certain pre-determined characteristics of the transporting entity and determine whether the transporting entity can access the respective first or second remote site, the central controller periodically communicating the database to the site controller.

38. (Original) The method of claim 35, wherein the identification device is a card including a read/write memory chip.

39. (Original) The method of claim 38, wherein the card is encoded with transporting entity data by a central controller located at a central managing location.

40. (Original) The method of claim 38, wherein the card is encoded with the first remote site transaction data by the site controller at the first remote site.

41. (Original) The method of claim 40, wherein the pre-determined characteristics of the transporting entity at a second remote site includes transporting entity data encoded to the card by a central controller located at a central managing location and the first remote site transaction data encoded to the card by the site controller at the first remote site.

42. (Original) The method of claim 41, wherein positive verification providing

the transporting entity access to the second remote site requires that the transporting entity data and the first remote site transaction data comply with certain pre-determined requirements.

43. (Currently Amended) A method for managing and monitoring a transportation network, comprising the steps of:

- a. verifying pre-determined characteristics of a transporting entity at a first remote site, a positive verification providing the transporting entity access to the first remote site;
- b. recording pre-determined first remote site transaction data;
- c. verifying pre-determined characteristics of the transporting entity at a second remote site, a positive verification providing the transporting entity access to the second remote site;
- d. recording pre-determined second remote site transaction data; and
- e. evaluating the first remote site transaction data with the second remote site transaction data creating statistics used to manage and monitor the transportation network;

~~The method of claim 30,~~ wherein the first and the second remote site transaction data includes vehicle weight.

44. (Currently Amended) A method for managing and monitoring a transportation network, comprising the steps of:

a. verifying pre-determined characteristics of a transporting entity at a first remote site, a positive verification providing the transporting entity access to the first remote site;

b. recording pre-determined first remote site transaction data;

c. verifying pre-determined characteristics of the transporting entity at a second remote site, a positive verification providing the transporting entity access to the second remote site;

d. recording pre-determined second remote site transaction data; and

e. evaluating the first remote site transaction data with the second remote site transaction data creating statistics used to manage and monitor the transportation network; ~~The method of claim 30,~~ wherein the first site transaction data includes first site inbound data and first site outbound data.

45. (Original) The method of claim 44, wherein the first site inbound data includes driver data, date and time, gross vehicle weight, trailer identification, first remote site identification, transaction type and trip identification.

46. (Original) The method of claim 44, wherein the first site outbound data includes driver data, date and time, gross vehicle weight, tare weight, net weight, first remote site identification, destination identification, transaction type and trip identification.

47. (Original) The method of claim 30, wherein the second site transaction data includes second site inbound data.

48. (Original) The method of claim 47, wherein the second site inbound data includes driver data, date and time, gross vehicle weight, trailer identification, first remote site identification, destination identification, transaction type and trip identification.

49. (Original) The method of claim 30, wherein the transportation entity is a third-party hauler represented by a driver operating a vehicle having a trailer.

50. (Original) The method of claim 49, wherein certain pre-determined characteristics of the hauler at the first remote site and the second remote site includes hauler data, driver data and trailer data.

51. (Original) The method of claim 50, wherein the hauler data includes transportation entity contact information, contract information, and insurance information.

52. (Original) The method of claim 51, wherein positive verification providing the hauler access to the first remote site and the second remote site requires that the hauler data comply with certain pre-determined requirements.

53. (Original) The method of claim 50, wherein the driver data includes employment information, state driver's license information, and medical information.

54. (Original) The method of claim 53, wherein positive verification providing the driver access to the first remote site and the second remote site requires that the driver data comply with certain pre-determined requirements.

55. (Original) The method of claim 50, wherein the trailer data includes identification information, owner information, state registration and inspection information.

56. (Original) The method of claim 55, wherein positive verification providing the hauler access to the first remote site and the second remote site requires that the trailer data comply with certain pre-determined requirements.

57. (Original) The method of claim 30, wherein one pre-determined characteristic of the transporting entity at the second remote site is a vehicle weight not exceeding a predetermined limit, the pre-determined limit equaling a vehicle weight recorded as part of the first remote site transaction data plus a differential, whereby a transporting entity at the second remote site having a vehicle weight exceeding the pre-determined limit is denied access to the second remote site.

58. (Original) The method of claim 57, wherein the differential is 2500 pounds.

59. (Currently Amended) A method for managing and monitoring a transportation network, comprising the steps of:

- a. verifying pre-determined characteristics of a transporting entity at a first remote site, a positive verification providing the transporting entity access to the first remote site;
- b. recording pre-determined first remote site transaction data;
- c. verifying pre-determined characteristics of the transporting entity at a second remote site, a positive verification providing the transporting entity access to the second remote site;
- d. recording pre-determined second remote site transaction data; and
- e. evaluating the first remote site transaction data with the second remote site transaction data creating statistics used to manage and monitor the transportation network;

~~The method of claim 30,~~ wherein one pre-determined characteristic of the transporting entity at the second remote site is a destination identification assigned as part of the first remote site transaction data matching the destination identification of the respective second remote site, whereby a transporting entity at the second remote site having a destination identification assigned as part of the first remote site transaction data differing from the destination identification of the respective second remote site is denied access to the second remote site.

60. (Currently Amended) A method for managing and monitoring a transportation network, comprising the steps of:

- a. verifying pre-determined characteristics of a transporting entity at a first remote site, a positive verification providing the transporting entity access to the first remote site;
- b. recording pre-determined first remote site transaction data;
- c. verifying pre-determined characteristics of the transporting entity at a second remote site, a positive verification providing the transporting entity access to the second remote site;
- d. recording pre-determined second remote site transaction data; and
- e. evaluating the first remote site transaction data with the second remote site transaction data creating statistics used to manage and monitor the transportation network;

~~The method of claim 30,~~ wherein one pre-determined characteristic of the transporting entity at the second remote site is a trailer identification recorded as part of the first remote site transaction data matching the trailer identification of the trailer delivered to the second remote site, whereby a transporting entity at the second remote site having a trailer identification recorded as part of the first remote site transaction data differing from the trailer identification of the trailer delivered to the second remote site is denied access to the second remote site.

61. (Currently Amended) A method for managing and monitoring a transportation network, comprising the steps of:

- a. verifying pre-determined characteristics of a transporting entity at a first remote site, a positive verification providing the transporting entity access to the first remote site;
- b. recording pre-determined first remote site transaction data;
- c. verifying pre-determined characteristics of the transporting entity at a second remote site, a positive verification providing the transporting entity access to the second remote site;
- d. recording pre-determined second remote site transaction data; and
- e. evaluating the first remote site transaction data with the second remote site transaction data creating statistics used to manage and monitor the transportation network; ~~The method of claim 30,~~ wherein the statistics created to manage and monitor the transportation network include an exception report listing all uncompleted trips, an and uncompleted trip defined as first remote site transaction data recorded without a subsequent second remote site transaction data.

62. (Currently Amended) A method for managing and monitoring a transportation network, comprising the steps of:

- a. verifying pre-determined characteristics of a transporting entity at a first remote site, a positive verification providing the transporting entity access to the first

remote site;

b. recording pre-determined first remote site transaction data;

c. verifying pre-determined characteristics of the transporting entity at a

second remote site, a positive verification providing the transporting entity access to the

second remote site;

d. recording pre-determined second remote site transaction data; and

e. evaluating the first remote site transaction data with the second remote

site transaction data creating statistics used to manage and monitor the transportation

network; The method of claim 30, wherein the statistics created to manage and monitor the

transportation network include an exception report listing trips with trailer weight gains

exceeding pre-determined limits.

63. (Original) The method of claim 30, wherein the statistics created to manage and monitor the transportation network include an exception report listing site authorizations by a site manager.

64. (Currently Amended) A method for managing and monitoring a transportation network, comprising the steps of:

a. verifying pre-determined characteristics of a transporting entity at a

first remote site, a positive verification providing the transporting entity access to the first

remote site;

b. recording pre-determined first remote site transaction data;
c. verifying pre-determined characteristics of the transporting entity at a
second remote site, a positive verification providing the transporting entity access to the
second remote site;
d. recording pre-determined second remote site transaction data; and
e. evaluating the first remote site transaction data with the second remote
site transaction data creating statistics used to manage and monitor the transportation
network; ~~The method of claim 30,~~ wherein the statistics created to manage and monitor the
transportation network include a transaction report listing second remote site transaction data
and first remote site transaction data comparing date and time of start and finish for an
assigned haul route.

65. (Original) The method of claim 30, wherein the statistics created to manage
and monitor the transportation network includes upcoming transporting entity credential
expirations for notification to a subject transporting entity during a next, subsequent first or
second remote site verification.

66 - 67. (Canceled)

68. (Original) A method for managing waste transporting, comprising the steps
of:

- a. verifying pre-determined characteristics of a hauler, driver and trailer at a transfer station, a positive verification providing the driver access to waste pick-up at the transfer station;
- b. recording pre-determined transfer station transaction data, including weight, destination identification, and date and time of waste pick-up;
- c. verifying pre-determined characteristics of the hauler, driver, trailer, and certain pre-determined transfer station transaction data, including weight, destination identification, and date and time of waste pick-up, at a landfill, a positive verification providing the driver access to deliver waste to the landfill;
- d. recording pre-determined landfill transaction data, including date and time of delivery, and weight gain during delivery; and
- e. evaluating the transfer station transaction data with the landfill transaction data creating statistics used to manage and monitor waste transporting.

69. (Original) A method for managing waste transporting, comprising the steps of:

- a. verifying pre-determined characteristics of a hauler, driver and trailer at a transfer station, a positive verification providing the driver access to waste pick-up at the transfer station;
- b. recording pre-determined transfer station transaction data, including weight, destination identification, and date and time of waste pick-up;

c. verifying pre-determined characteristics of the hauler, driver, trailer, and certain pre-determined transfer station transaction data, including weight, destination identification, and date and time of waste pick-up, at a landfill, a positive verification providing the driver access to deliver waste to the landfill;

d. recording pre-determined landfill transaction data, including date and time of delivery, and weight gain during delivery; and

e. evaluating the transfer station transaction data with the landfill transaction data creating statistics, including exception reports, used to manage and monitor waste transporting.

70 - 73. (Canceled)

74. (Original) A computer-readable medium that configures a computer system to perform a method, the method comprising the steps of:

a. verifying pre-determined characteristics of a hauler, driver and trailer at a transfer station, a positive verification providing the driver access to waste pick-up at the transfer station;

b. recording pre-determined transfer station transaction data, including weight, destination identification, and date and time of waste pick-up;

c. verifying pre-determined characteristics of the hauler, driver, trailer, and certain pre-determined transfer station transaction data, including weight, destination

identification, and date and time of waste pick-up, at a landfill, a positive verification providing the driver access to deliver waste to the landfill;

d. recording pre-determined landfill transaction data, including date and time of delivery, and weight gain during delivery; and

e. evaluating the transfer station transaction data with the landfill transaction data creating statistics used to manage and monitor waste transporting.

75. (Original) A computer-readable medium that configures a computer system to perform a method, the method comprising the steps of:

a. verifying pre-determined characteristics of a hauler, driver and trailer at a transfer station, a positive verification providing the driver access to waste pick-up at the transfer station;

b. recording pre-determined transfer station transaction data, including weight, destination identification, and date and time of waste pick-up;

c. verifying pre-determined characteristics of the hauler, driver, trailer, and certain pre-determined transfer station transaction data, including weight, destination identification, and date and time of waste pick-up, at a landfill, a positive verification providing the driver access to deliver waste to the landfill;

d. recording pre-determined landfill transaction data, including date and time of delivery, and weight gain during delivery; and

e. evaluating the transfer station transaction data with the landfill

transaction data creating statistics, including exception reports, used to manage and monitor waste transporting.

76. (Currently Amended) A computer-readable medium that ~~that~~ stores a program, the program comprising:

a. means for verifying pre-determined characteristics of a transporting entity at a first remote site, a positive verification providing the transporting entity access to the first remote site;

b. means for recording pre-determined first remote site transaction data;
and

c. means for verifying pre-determined characteristics of the transporting entity at a second remote site, and evaluating a status of the certain pre-determined first remote site transaction data at the a-second remote site; wherein if a differential between the first remote site transaction data and the status of the first remote site transaction data at the second remote site is within a preset range, or if no differential exists, and the pre-determined characteristics of the transporting entity are verified positive, a positive verification providing the transporting entity access to the second remote site.

77. (Currently Amended) A computer-readable medium that that stores a program, the program comprising:

a. means for verifying pre-determined characteristics of a transporting

entity at a first remote site, a positive verification providing the transporting entity access to the first remote site;

- b. means for recording pre-determined first remote site transaction data;
- c. means for verifying pre-determined characteristics of the transporting

entity at a second remote site, a positive verification providing the transporting entity access to the second remote site;

d. means for recording pre-determined second remote site transaction data; and

e. means for evaluating the first remote site transaction data with the second remote site transaction data creating statistics used to manage and monitor the transportation network, wherein the statistics created compare date and time of start and finish for an assigned transportation route.

78 - 79. (Canceled)

80. (Original) A computer-readable medium that that stores a program, the program comprising:

a. means for verifying pre-determined characteristics of a hauler, driver and trailer at a transfer station, a positive verification providing the driver access to waste pick-up at the transfer station;

- b. means for recording pre-determined transfer station transaction data,

including weight, destination identification, and date and time of waste pick-up;

c. means for verifying pre-determined characteristics of the hauler, driver, trailer, and certain pre-determined transfer station transaction data, including weight, destination identification, and date and time of waste pick-up, at a landfill, a positive verification providing the driver access to deliver waste to the landfill;

d. means for recording pre-determined landfill transaction data, including date and time of delivery, and weight gain during delivery; and

e. means for evaluating the transfer station transaction data with the landfill transaction data creating statistics used to manage and monitor waste transporting.

81. (Original) A computer-readable medium that that stores a program, the program comprising:

a. means for verifying pre-determined characteristics of a hauler, driver and trailer at a transfer station, a positive verification providing the driver access to waste pick-up at the transfer station;

b. means for recording pre-determined transfer station transaction data, including weight, destination identification, and date and time of waste pick-up;

c. means for verifying pre-determined characteristics of the hauler, driver, trailer, and certain pre-determined transfer station transaction data, including weight, destination identification, and date and time of waste pick-up, at a landfill, a positive verification providing the driver access to deliver waste to the landfill;

- d. means for recording pre-determined landfill transaction data, including date and time of delivery, and weight gain during delivery; and
- e. means for evaluating the transfer station transaction data with the landfill transaction data creating statistics, including exception reports, used to manage and monitor waste transporting.

82. (New) The method of claim 29, wherein the transportation network is a waste hauling network.

83. (New) The method of claim 29, wherein the pre-determined characteristics of the transporting entity at the first remote site, the pre-determined characteristics of the transporting entity at the second remote site, the first remote site transaction data and the status of the first remote site transaction data at the second remote site are transmitted to a central controller at a central managing location, whereby the managing and monitoring of the transportation network occurs by using the central controller at the central managing location.

84. (New) The method of claim 29, wherein certain pre-determined characteristics of the transporting entity are verified through communication between an identification device carried by the transporting entity, the identification device possessing the certain predetermined characteristics of the transporting entity, and a site controller

located at the respective first or second remote site.

85. (New) The method of claim 29, wherein the first remote site transaction data includes one or more of date and time, gross vehicle weight, tare weight, material net weight, trailer identification or destination information.

86. (New) The method of claim 29, wherein the first site transaction data includes first site inbound data and first site outbound data.

87. (New) The method of claim 86, wherein the first site inbound data includes driver data, date and time, gross vehicle weight, trailer identification, first remote site identification, transaction type and trip identification.

88. (New) The method of claim 86, wherein the first site outbound data includes driver data, date and time, gross vehicle weight, tare weight, net weight, first remote site identification, destination identification, transaction type and trip identification.

89. (New) The method of claim 29, wherein the pre-determined characteristics of the transporting entity at the first remote site and the second remote site includes driver data, including one or more of driver employment information, driver employment history, state driver's license information, and driver medical information.

90. (New) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 29.

91. (New) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 30.

92. (New) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 31.

93. (New) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 35.

94. (New) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 43.

95. (New) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 44.

96. (New) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 59.

97. (New) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 60.

98. (New) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 61.

99. (New) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 62.

100. (New) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 64.

101. (New) A computerized method for controlling site access, comprising the steps of:

verifying characteristics of an entity at a first site location, a positive verification providing the entity access to the first site location;

recording first site location transaction data with the entity; and

verifying characteristics of the entity and evaluating the first site location transaction data at a second site location, a positive verification and evaluation providing the entity access to the second site location;

wherein the characteristics of the entity are verified through communication between an identification device carried by the entity, the identification device possessing certain characteristics of the entity, and a site controller located at the respective first or second site location.

102. (New) The method of claim 101, wherein the site controller evaluates the characteristics of the entity and determines whether the entity can access the respective first or second site location.

103. (New) The method of claim 102, wherein a central controller maintains a database of current and pertinent entity characteristics and maintains criteria for use by the site controller to evaluate the characteristics of the entity and determine whether the entity can access the respective first or second site location, the central controller periodically communicating the database to the site controller.

104. (New) The method of claim 101, wherein the identification device is a card including a read/write memory chip.

105. (New) The method of claim 104, wherein the card is encoded with entity data by a central controller.

106. (New) The method of claim 104, wherein the card is encoded with the first site location transaction data by the site controller at the first site location.

107. (New) The method of claim 106, wherein the characteristics of the entity at the second site location includes entity data encoded to the card by the site controller at the first site location.

108. (New) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 101.

109. (New) A computerized method for controlling site access, comprising the steps of:

verifying characteristics of an entity at a first site location, a positive verification providing the entity access to the first site location;

recording first site location transaction data with the entity, the first site location transaction data including one or more of date and time of transaction, gross vehicle weight, tare weight, material net weight, trailer identification or destination information; and

verifying characteristics of the entity and evaluating the first site location transaction data at a second site location, a positive verification and evaluation providing the entity access to the second site location.

110. (New) The method of claim 109, wherein evaluating the first site location transaction data at a second site location includes comparing vehicle weight at the second site location with vehicle weight at the first site location, a positive evaluation providing the entity access to the second site location if a differential in the respective vehicle weights is within a preset range.

111. (New) The method of claim 109, wherein evaluating the first site location transaction data at a second site location includes comparing destination information assigned as part of the first site location transaction data with the second site location, a match resulting in a positive evaluation providing the entity access to the second site location.

112. (New) The method of claim 109, wherein evaluating the first site location transaction data at a second site location includes comparing trailer identification recorded as part of the first site location transaction data with the trailer arriving at the second site location, a match resulting in a positive evaluation providing the entity access to the second site location.

113. (New) The method of claim 109, wherein evaluating the first site location transaction data at a second site location includes comparing a date and time of the first site location transaction with a date and time of arrival at the second site location, a positive

evaluation providing the entity access to the second site location if a differential in the respective dates and times is within a preset range.

114. (New) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 109.

115. (New) A computerized method for controlling site access, comprising the steps of:

verifying characteristics of an entity at a first site location, a positive verification providing the entity access to the first site location;

recording first site location transaction data with the entity; and

verifying characteristics of the entity and evaluating the first site location transaction data at a second site location, a positive verification and evaluation providing the entity access to the second site location;

wherein the characteristics of the entity at the first and the second site locations, and the first site location transaction data are transmitted to a central controller located at other than at least one of the first or the second site locations, the central controller performing the evaluation of the first site location transaction data at the second site location.

116. (New) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 115.